

PM860K01 3BSE018100R1

CPU Kit

ABB PM860K01 3BSE018100R1 is an AC 800M processor-unit kit. ABB identifies the kit with a PM860 CPU, TP830 baseplate, TB850 CEX-bus terminator, TB807 ModuleBus terminator and battery.

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
Complete model	PM860K01 3BSE018100R1
Product role	CPU Kit
System family	AC 800M

Document scope

Exact identity, verified technical data, applications, precautions, model-specific FAQ and controlled acceptance records.

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PM860K01 3BSE018100R1

Technical Specifications

PARAMETER	VERIFIED VALUE
Product identity	PM860K01
ABB item	3BSE018100R1
Controller family	AC 800M
CPU	PM860
Processor clock	48 MHz
Memory	16 MB

PARAMETER	VERIFIED VALUE
Baseplate	TP830
CEX-bus terminator	TB850
ModuleBus terminator	TB807
Battery	Included in kit
Kit function	Processor unit and required termination accessories
Configuration control	Control Builder project and hardware tree

Engineering boundary

Keep the complete PM860K01 3BSE018100R1 identity with the installed kit contents. Back up the controller application, firmware, network addresses and hardware configuration before replacement.

Functions and Applications

AC 800M processing Executes the AC 800M controller application on the PM860 CPU.	CEX-bus termination Uses the included TB850 to terminate the CEX-bus arrangement.
ModuleBus termination Uses the included TB807 for the documented ModuleBus termination point.	Kit-level replacement Keeps the processor, baseplate, terminators and battery under one controlled identity.

Common Applications

APPLICATION	ENGINEERING CONTEXT
AC 800M controller	Runs a configured process-control application in the AC 800M system.
Processor replacement	Restores an exact PM860 controller from the approved Control Builder project.
Bus termination service	Maintains the documented CEX-bus and ModuleBus termination arrangement.
System recommissioning	Verifies controller, communication and I/O status after controlled replacement.

Controlled acceptance duty

Confirm identity, interfaces, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify ABB PM860K01 3BSE018100R1 as the complete kit identity.
2	Back up the current Control Builder project and controller application.
3	Record firmware, IP settings, controller address and connected communication units.
4	Record the TP830, TB850 and TB807 positions before removal.
5	Use ESD controls and preserve the approved battery-handling procedure.
6	Do not mix a nearby PM860 kit revision without documented compatibility.
7	Restore the approved hardware tree and application after installation.
8	Verify controller diagnostics, communication and affected I/O before release.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is ABB PM860K01 3BSE018100R1?	ABB PM860K01 3BSE018100R1 is an AC 800M processor-unit kit built around the PM860 CPU.
Which CPU is in ABB PM860K01 3BSE018100R1?	The kit contains the ABB PM860 processor unit.
Which baseplate is in ABB PM860K01 3BSE018100R1?	ABB lists the TP830 baseplate in the kit.
Which terminators are in ABB PM860K01 3BSE018100R1?	ABB lists the TB850 CEX-bus terminator and TB807 ModuleBus terminator.

Related Products

MODEL	APTER POWER PAGE
ABB 1KHL178016R0001F	View ABB 1KHL178016R0001F
ABB 1KHW001381R0001	View ABB 1KHW001381R0001
ABB 1KHW001432R0001	View ABB 1KHW001432R0001

Model-Specific FAQ - Part 2

QUESTION	ANSWER
What processor data is documented for ABB PM860K01 3BSE018100R1?	ABB catalog data lists a 48 MHz processor and 16 MB memory for PM860.
Which configuration must be backed up for ABB PM860K01 3BSE018100R1?	Back up the Control Builder project, application, hardware tree, firmware and network addressing.
Can a nearby PM860 kit replace ABB PM860K01 3BSE018100R1 automatically?	No. The item identity, hardware contents, firmware and project compatibility require controlled review.
What confirms ABB PM860K01 3BSE018100R1 commissioning?	Controller diagnostics, application execution, communication and affected I/O must match the approved acceptance record.

Related Products and Release

MODEL	APTER POWER PAGE
ABB DI811	View ABB DI811
ABB TU831V1 3BSE013235R1	View ABB TU831V1 3BSE013235R1
ABB DSBC174 3BSE012211R1	View ABB DSBC174 3BSE012211R1

MANUFACTURER SOURCE RECORDS

1. ABB PM860K01 3BSE018100R1 Official Product Record
2. ABB System 800xA Product Catalog 3BSE078160

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